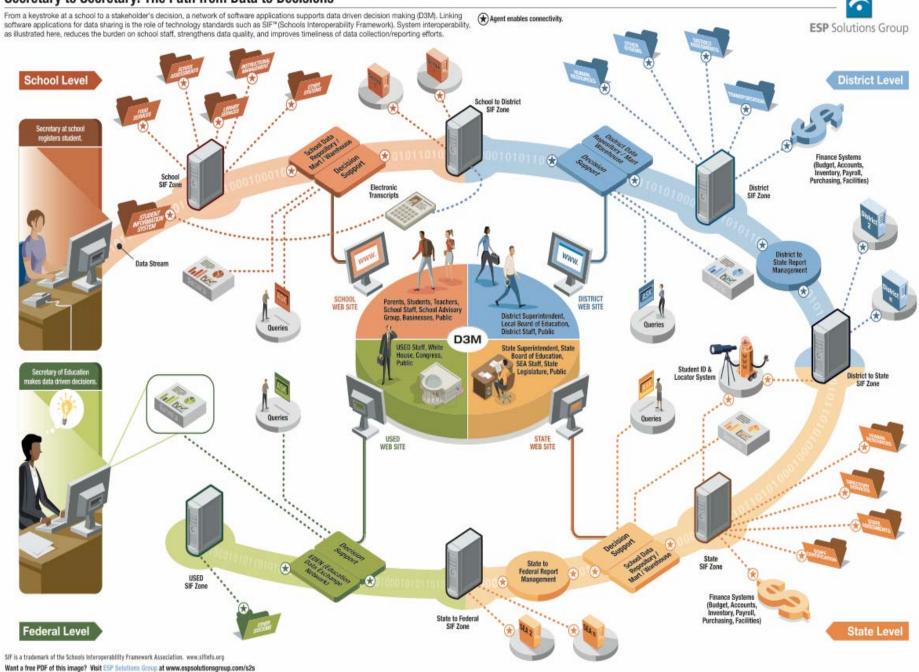
# Student Level Data Systems DESE's Plans for the Future MOSIS

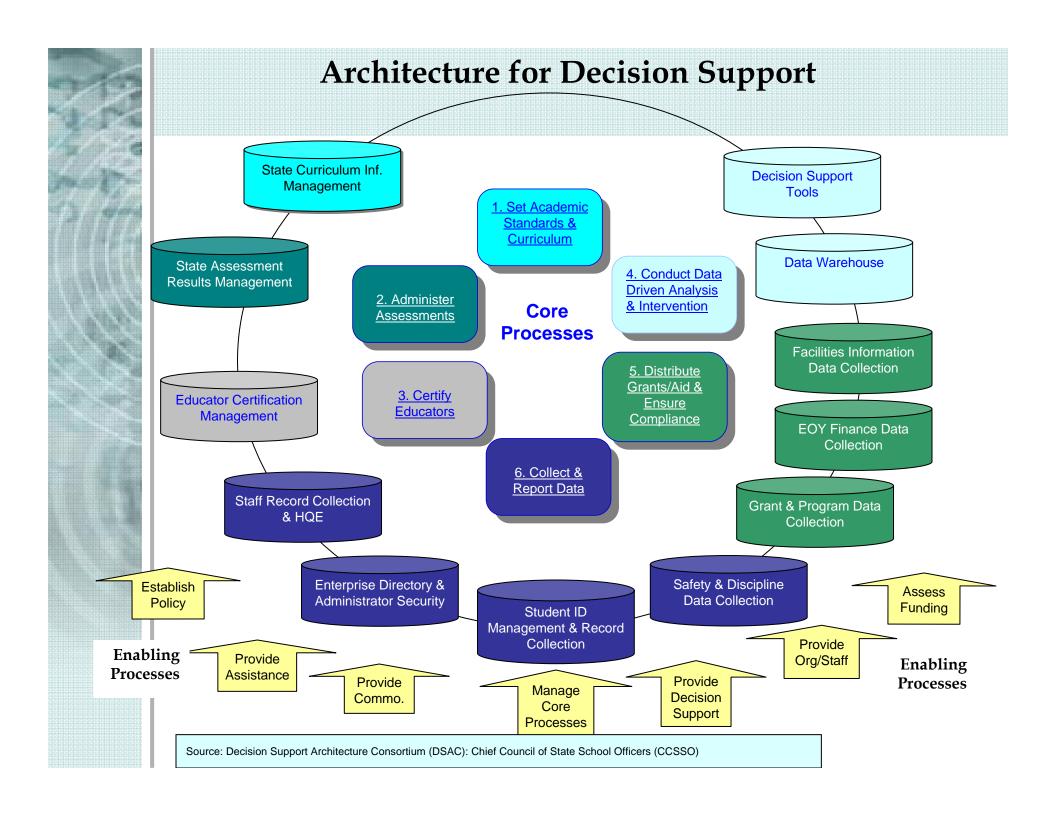
http://dese.mo.gov/MOSIS/

webreplymosis@dese.mo.gov

May 2006

#### Secretary to Secretary: The Path from Data to Decisions







## DSAC - Key Recommendations

#### **Key Recommendations:**

- Integrated Instructional System Implement an integrated system for standards based curriculum, formative assessment and data driven decision making.
- Curriculum Complete the development of a statewide model curriculum that is one hundred percent (100%) aligned to Show-Me Standards. Make this available via the Web for use in all LEAs and schools.
- Standards Catalogue Ensure a well developed cataloging system for the Show-Me Standards that is maintained online.
- Student Identifier A unique student identifier and a single entry student record system should be implemented as soon as possible to bring together data for decision support.
- **Teacher Certification** Missouri should implement a comprehensive, integrated, online teacher certification program with individual teacher, LEA, and higher education interface capabilities.
- Balanced Scorecard and Project Management Office A balanced scorecard process should be implemented to define and report on the key DESE goals, objectives, measures, and targets. A clearly defined set of projects and budgets should flow from this balanced scorecard. A project management process should be implemented within DESE for all major projects to follow (both technical and non-technical projects).
- Student Information System (SIS) –DESE should provide leadership to LEAs in the selection of a Student Information System (SIS) (or systems) that LEAs would be required to use as they replace their SIS or as they implement an SIS for the first time.
- Data Warehouse and Student-level Data DESE should continue its efforts to build a robust data warehouse with reporting tools to house information such as financial, teacher, assessment, special education, and other program data that can be used to fundamentally drive student performance decisions at the classroom and student level.

#### DATA ELEMENTS

- STATE ID
- MAP "Pre-Coding"
- Student "Core"
- Additional Modules
- Curriculum / Assessment Data
  - Grade Level Expectations (GLEs)
  - New Achievement Levels and grades assessed
  - New Assessments



## 15 Data Items extracted from Local student management systems OR entered in on-line

- Current School Code
- Resident District Code
- Legal Last Name
- Legal First Name
- Legal Middle Name (optional)
- Legal Name Suffix (optional)
- Gender
- Date of Birth
- Current Grade Level
- Local Student ID
- Social Security Number (optional)
- Race/Ethnicity
- State ID
- Current District Code
- Current School Year

# Data Elements – "MAP Pre-Code"

34 total data items (includes 15 from ID system) extracted from Local student management systems with the ability to edit on-line.

- Individual Education Plan (IEP)
- Individual Accommodation Plan (IAP) 504
- Gifted
- Migrant
- Title I
- In Building Less than a Year (Full Academic Year Status)
- In District Less than a Year (Full Academic Year Status)
- SES (Free or Reduced-Price Lunch Status)
- H.S. Career Education Student
- Voluntary Transfer Student
- School of Residence ID
- Special Education Instructional Time
- IEP Disability Diagnosis
- Name of Teacher
- MAP-Alternate
- ELL <1Yr in USA</li>
- ELL <3 Yrs in USA</li>
- ELL Monitoring
- ELL (Receiving Services)

#### Data Elements - Student "Core"

## Next Phase is to review the data elements within the Core Data collection system and other potential student level data items

#### **CORE Data**

- Screen 02 -- District Data (August Cycle)
- Screen 03 -- District Contact Personnel (August Cycle)
- Screen 04 -- District Directory (August Cycle)
- Screen 06 -- District Tax Data (August Cycle)
- Screen 07 -- Library Media Center (June Cycle)
- Screen 08 -- Attendance Center (August & February Cycles)
- Screen 09 -- Discipline Incidents (June Cycle)
- Screen 10/10A -- School Calendar (August & June Cycles)
- Screen 11 -- Special Education Placement Counts by Age (December Cycle)
- Screen 12 -- Special Education Exiter Counts by Age (June Cycle)
- Screen 13 -- Secondary Headcount (June Cycle)
- Screen 14 -- Attendance (June Cycle)
- Screen 14A -- Resident II Attendance (June Cycle)
- Screen 14B -- Resident II Grade Point Average (June Cycle)
- Screen 15 -- Home School/Free and Reduced Lunch (February Cycle)
- Screen 16 -- Enrollment, Membership and Summer School (Aug., Oct., & Feb. Cycles)
- Screen 17 -- Physical Fitness Assessment (June Cycle)
- Screen 18 -- Educator Data (October Cycle)
- Screen 19 -- Professional Development (June Cycle)
- Screen 20 -- Course and Assignment Data (October Cycle)
- Screen 21 -- Educator Vacancy (October Cycle)
- Screen 22 -- Sending School Courses and Enrollment (October Cycle)
- Screen 24 -- Summer School Courses and Enrollment (June Cycle)
- Screen 26 -- Career Education Follow-Up (February Cycle)
- Screen 27 -- Career Education Follow-Up Sending School (February Cycle)
- Screen 29 -- Post Secondary Adult Follow-Up (February Cycle)
- Screen 30 -- District Level Census of Technology (April Cycle)
- Screen 31 -- Building Level Census of Technology (April Cycle)



#### **Some Questions about the Student Core**

- How to handle the Attendance Data?
  - Missouri is unique in that we collect data by hours of attendance.
     Possibly collect the total number of hours attended and the total number of hours absent for a student two data elements.
- How to handle Course and Assignment Data?
  - Where students and educators cross.
- When to submit, still cycle based?
  - Submit the student record and the department only use the data for that submission cycle.
- How to handle changes to the data?
  - "Certified" data elements at the time of submission, allow corrections via another mechanism.
- "Claiming a Student"



## Data Elements – Additional "Modules"

- Migrant Students
- IEP
- Student Organizations



#### ID Component

- Over 960,000 IDs assigned
- All school districts participating
- Work has been done with Higher Education to incorporate the MOSIS ID at the Post-Secondary Level

### Pre-Code Component

- 441 school districts participated
- Over 700,000 students submitted

#### Next Component?

Student "Core Record" – data within Core Data

## System Components

Single Sign-On

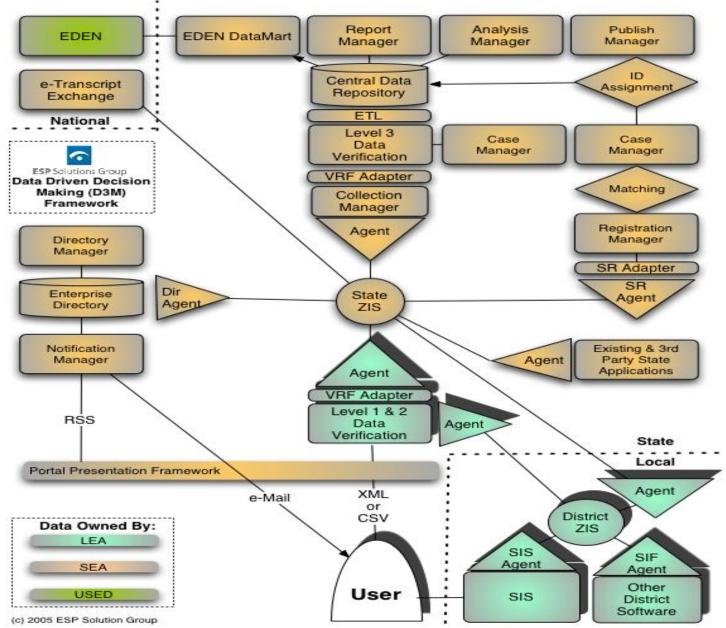
> Data Collection

> > Data Quality

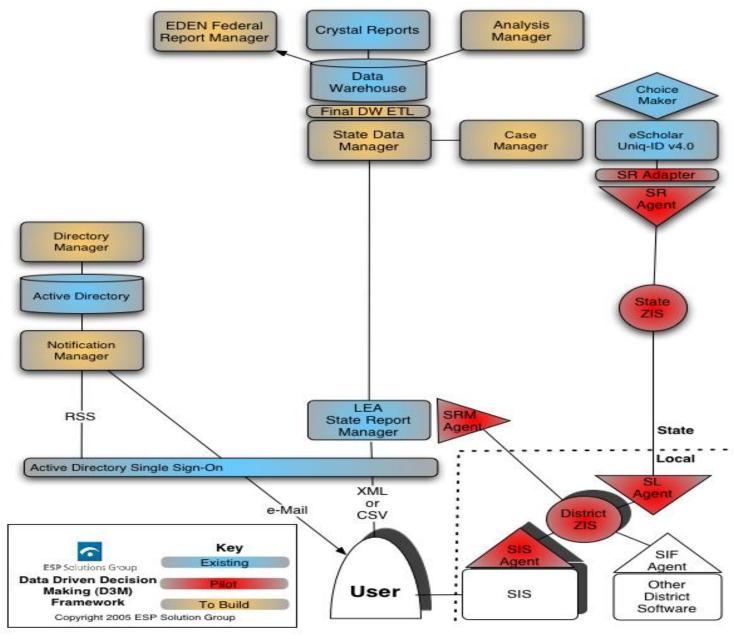
> > > Data Warehouse

> > > > Data Reporting

## Generic – D3M Framework



# Missouri - DRAFT Version





PHASES	STARTED	STATUS	NOTES
MOSIS State ID	June 2005	On-going	All school districts participating
MOSIS – Pre-code	October 2005	Closed January 2006	443 school districts participating
MOSIS – "Student Core"	Planning January 2006	Define the student level elements Share with school districts and vendors – by June 2006 "Pilot" collection during the 2006-07 school year "Production" during the 2007-08 school year	
Crystal Reports Ad-hoc Query	Testing February 2006	Turned on by August 2006	All districts with access to ad-hoc query with the MAP data and potential other
GLE data base	October 2005	Available for querying sometime Spring 2006	data sources (BLISS)  GLE elements will be linked to the MAP IBD reports